

Claims

1. A crusher assembly comprising:

5 a crushing chamber for receiving material to be crushed and having an outlet for discharging material introduced into the crushing chamber; and

a plate mounted adjacent the outlet which is movable independently relative to the outlet and is arranged for clearing objects which become blocked in the outlet in use.

- 10 2. A crusher assembly as claimed in claim 1, in which the plate is mounted for pivotable movement relative to the outlet, for movement against an object projecting from the outlet in use.

3. A crusher assembly as claimed in claim 1 or 2, including a hydraulic cylinder arrangement operatively connected to the plate, for powered movement of the plate against an object projecting from the outlet in use, to bend or break the object.

- 15 4. A crusher assembly as claimed in claim 3, in which the hydraulic cylinder arrangement consists of at least one hydraulic cylinder operatively coupled with a rear surface of the plate.

- 20 5. A crusher assembly as claimed in claim 3 or 4, in which the hydraulic cylinder arrangement includes a hydraulic circuit having a relief valve arrangement for allowing movement of the hydraulic cylinder arrangement under excess pressure conditions.

6. A crusher assembly as claimed in any preceding claim, including a frame having two side walls and pair of jaws disposed between the walls, in which the plate is movable independently relative to the jaws.

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7. A crusher assembly as claimed in claim 6, in which the plate is pivotably mounted on one of the jaws.
8. A crusher assembly as claimed in claim 6 or 7, including a fixed jaw and a swing jaw, in which the plate is mounted on the fixed jaw.
- 5 9. A crusher assembly as claimed in any of claims 1 to 6, in which crusher assembly includes a frame and the plate is pivotably mounted on the frame.
10. A crusher assembly as claimed in any preceding claim, in which a discharge conveyor is provided below the outlet for collecting and discharging material passing through the crushing chamber in use.
- 10 11. A crusher assembly as claimed in any of claims 1 to 10, in which the plate is pivotably mounted on the discharge conveyor.
12. A crusher assembly as claimed in any preceding claim, in which the plate has a normal operating position in which the plate is angled relative to the outlet for deflecting material which passes through the outlet of the crushing chamber under
15 normal operating conditions.
13. A crusher assembly as claimed in claim 12, in which the plate extends at least partially beneath the outlet of the crushing chamber in the normal operating position.
14. A crusher assembly as claimed in any preceding claim, in which the plate is movable between an open position, in which the plate extends substantially away from the longitudinal axis of the outlet, and a bending position in which the plate extends
20 substantially across the longitudinal axis of the outlet.
15. A crusher assembly as claimed in any preceding claim, in which the plate includes a wear surface.

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16. A crusher assembly comprising:

a frame having two side walls;

5 a pair of jaws disposed between the side walls, the pair of jaws defining a crushing chamber for receiving material to be crushed and having an outlet for discharging material introduced into the crushing chamber; and

a plate mounted adjacent the outlet which is movable independently relative to the outlet and arranged for clearing objects which become blocked in the outlet in use.